

Scout Report sent out	<input checked="" type="checkbox"/>
Noted in the NID File	<input checked="" type="checkbox"/>
Location map pinned	<input checked="" type="checkbox"/>
Approval or Disapproval Letter	<input checked="" type="checkbox"/> <i>unit</i>
Date Completed, P. & A, or operations suspended	_____
Pin changed on location map	<input type="checkbox"/>
Affidavit and Record of A & P	<input type="checkbox"/>
Water Shut-Off Test	<input type="checkbox"/>
Gas-Oil Ratio Test	<input type="checkbox"/>
Well Log Filed	<input type="checkbox"/>

### FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W for State or Fee Land

COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

Driller's Log

Electric Logs (No. )

E

Lat

Mi-L

E-I

GR

Sonic

GR-N

Others

Micro

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

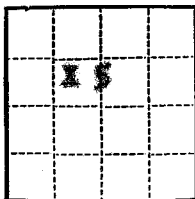
Location Inspected

Bond released

State of Fee Land

LOGS FILED

*Sub Rep of Ad*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Ut

Lease No. 071403-4

Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Bluff Unit  
Well No. 22-5 is located 1950 ft. from N line and 1855 ft. from E line of sec. 5  
SE NW 5 10S 23E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bluff San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5779 ft. (Approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work

1. Drill 12-1/4" hole to 250'.
2. Cement 8-5/8", 7lb, J-55 casing at 250' with 150 sacks cement (circulated).
3. Drill 7-7/8" hole to 5700' and 4-3/4" hole to 5830'. (Objective-Paradox).
4. Cement 5-1/2", 14lb, J-55 at 5700' with 200 sacks cement.
5. Wash open hole interval with 500 gal. mud acid. Inject 1500 gal. regular acid and 1500 gal retarded acid in interval 5700-5775 and 1500 gal intensified regular acid and 1500 gal retarded acid in interval 5775-5830.
6. Make completion test, establish initial rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 W. Municipal Drive  
Farmington, New Mexico

By R. S. Mac Alister, Jr.  
Original signed by R. W. SHEPARD  
Title Division Exploitation Engineer

T 40 S

R 23 E

ELEVATIONS

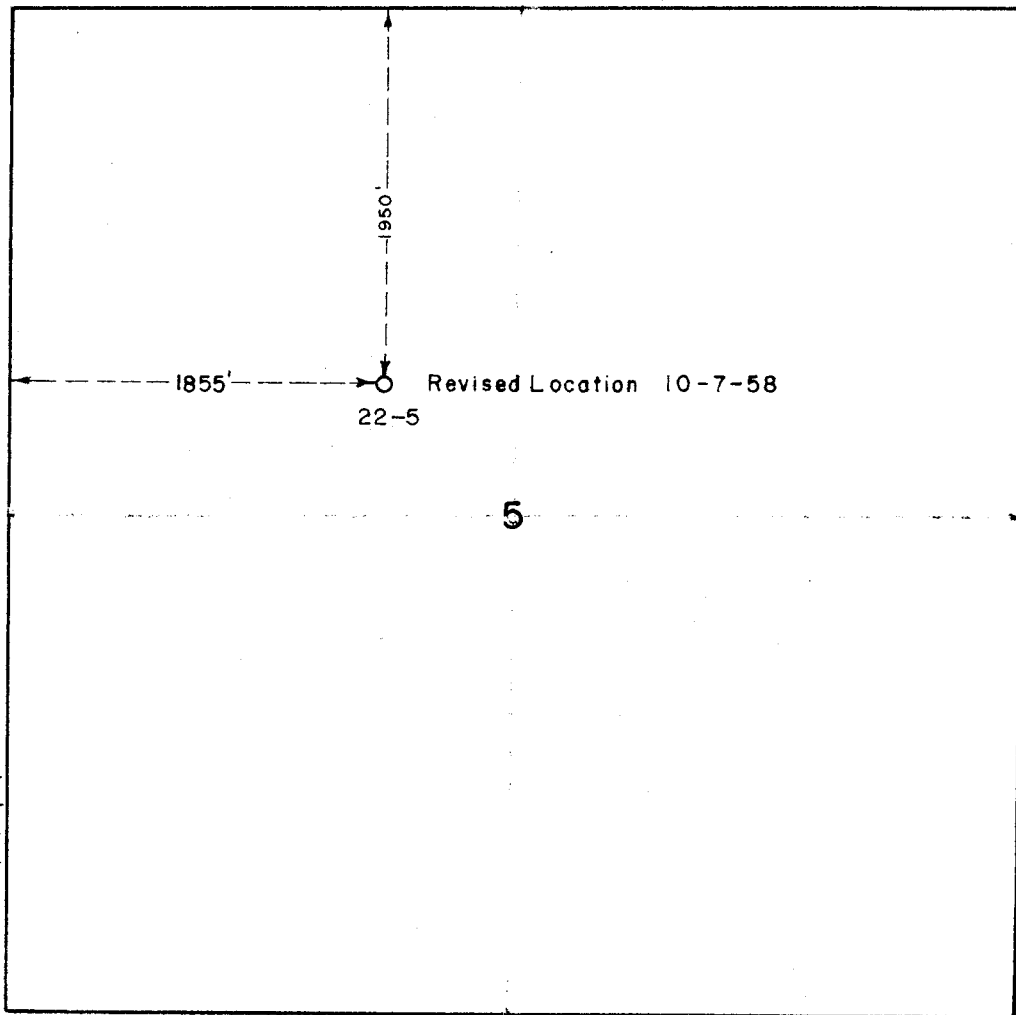
T.B.M. - 4868.1

Loc. Ungraded  
Ground 4879.0

Graded Gr. \_\_\_\_\_

Derrick Fl. \_\_\_\_\_

Kelly B. \_\_\_\_\_



This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

*Paul Baker*  
Registered Land Surveyor  
Certificate No. 2158

DRAWN BY L.G.S.

TRACED BY

CHECKED BY

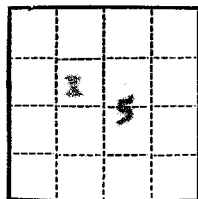
**SHELL OIL COMPANY**

DATE 9-24-58

SCALE 1" = 1000'

FILE NO. Z-20-1022

LOCATION OF BLUFF UNIT 22-5  
SEC. 5, T 40 S, R 23 E, S.L.B.M., SAN JUAN COUNTY, UTAH



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. 071103-4

Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<u>1</u>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 21, 1958

Well No. 22-5 is located 1950 ft. from N line and 1855 ft. from E line of sec. 5

SE NW 5 (1/4 Sec. and Sec. No.) 10S (Twp.) 23E (Range) 114W (Meridian)

Bluff (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing derrick floor above sea level is 1893 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 11-8-58.

11-8-58 Ran and cemented (235') 8-5/8", 20#, J-55 casing at 245' with 150 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

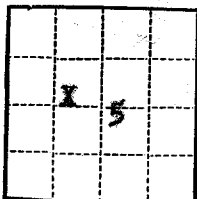
Address 705 Municipal Drive

Farmington, New Mexico

Original signed by  
B. W. SHEPARD

By \_\_\_\_\_

Title B. W. Shepard  
Exploitation Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. 071403-A

Unit Bluff

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Bluff Unit  
Well No. 22-5 is located 1950 ft. from N line and 1855 ft. from E line of sec. 5  
SE NW 5 40S 23E S1E  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bluff San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

Kelly Pushing  
The elevation of the ~~surface~~ above sea level is 4893 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth - 5945'  
Casing - 8 5/8" @ 245'  
Hole Size - 7 7/8" from 245 to 5830 and 4 3/4" from 5830 to 5945'.

### Proposed Work:

- With open end drill pipe plug as follows:
  - 35 sacks cement 5945-5750.
  - 30 " " 4800-4700.
  - 30 " " 1800-1700.
  - 60 " " 230-260.
- Cement at surface with a 10 sack cap, install marker and abandon.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by  
B. W. SHEPARD

By B. W. Shepard  
Title Exploitation Engineer

## SHELL OIL COMPANY

Bluff

WELL NO. 22-5

Bluff

(FIELD)

San Juan Utah

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

12-12-58

5

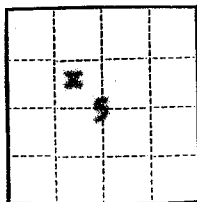
(SECTION OR LEASE)

T. 40 S., R. 23 E.,

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1950' S. and 1855' E. of NW Corner Section 5, T. 40 S., R. 23 E., S. L. B. M., San Juan County, Utah.</p> <p><u>Elevations:</u> DF 4891.36' GR 4881.31' KB 4892.56'</p>
11-8 to 11-9	0	250	Spudded 12:00 noon 11-8-58. Ran and cemented (234') 8-5/8", 28#, J-55 National Casing at 245' with 150 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
11-10 to 11-12	250	1944	<u>Drilled 1694'</u>
11-13 to 11-14	1944		Repairing jack shaft.
11-15 to 11-16	1944	2677	<u>Drilled 733'</u>
11-17 to 11-18	2677	5830	Repairing clutch. <u>Drilled 3153'</u>
12-7 to 12-8	5830		Repairing clutch.
12-9 to 12-10	5830	TD	<u>Drilled 115'</u> . Ran Induction-Electrical Survey, Gamma Ray-Neutron, and Microlog. Plugged as follows:
12-12			<p>5945 - 35 sacks cement 4800 - 30 sacks cement 1800 - 30 sacks cement 250 - 60 sacks cement</p> <p>Located top of top plug at 200'. Installed marker. Abandoned. Released rig 3:00 A.M. December 13, 1958. Checked BOP daily</p> <p>Mud Summary wt 9 - 10.1#/gal. vis 32 - 40 sec. WL 9.2- 44 cc FC 2/32"</p>
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
12-1/4	0.	250	8-5/8"
7-7/8	250	5830	-
DRILL PIPE 4-1/2"			
SIZES			

Contractor: Moran Brothers  
Drillers: M. C. Bandy  
C. H. Cavel  
R. Benard  
Co. Pusher: C. L. Christiansen



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4  
Approval expires 12-31-60.

Salt Lake City, Utah

Land Office \_\_\_\_\_  
Lease No. 071403-A  
Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 13, 1959

Bluff Unit  
Well No. 22-5 is located 1950 ft. from N line and 1855 ft. from W line of sec. 5

SE SW 40S 23E S15M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bluff San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing  
The elevation of the ~~drill floor~~ above sea level is 4893 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth - 5945'  
Casing - 8 5/8" @ 245'  
Hole size - 7 7/8" from 245' to 5630' and 4 3/4" from 5630' to 5945'

Abandonment Work:

- With open end drill pipe plugged as follows:
  - 35 sacks cement 5945 - 5750
  - 30 sacks cement 4800 - 4700
  - 30 sacks cement 1800 - 1700
  - 60 sacks cement 230 - 260

- Cemented at surface with a 10 sack cap, installed marker and abandoned 12-13-58.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive  
Farmington, New Mexico

Original signed by  
B. W. SHEPARD  
By B. W. Shepard  
Title Exploitation Engineer

[illegible]

## LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE Salt Lake City,  
SERIAL NUMBER 071403-A Utah

LEASE OR PERMIT TO PROSPECT -----

Company Shell Oil Company Address 705 West Municipal Drive, Farmington,  
Lessor or Tract Federal Bluff Field Bluff State Utah N.M.  
Well No. 22-5 Sec. 5 T. 40S R. 23E Meridian SLBM County San Juan  
Location 1950 ft. N of N Line and 1854 ft. E of W Line of Sec. 5 Elevation 4893 KB  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_ Original signed by  
B. W. SHEPARD

Date January 5, 1959

Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling November 8, 1958 Finished drilling December 10, 1958

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~None~~ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ **Discussed: During History** \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8" 28#	28#	8	Nat'l	234	Baker	---	---	---	Surface
<p>of spots. It breaks or pinches well but it is too far for water. The kind of material used, position and length of blanking or pinning, suggested, or left in the well. It is for fine sand location. If the well has been abandoned, the case, size, position and number with the reasons for the work and its results. If there were any changes made in the casing, state them, and if any casing was it is of the greatest importance to make a complete history of the well. Please state in detail the dates of equipment together</p>									
HISTORY OF OIL OR GAS WELL							TO—#3084-5	IN—2' COALEWING	BLANKING OFFICE

## MUDDING AND CEMENTING RECORD

[illegible]

## PLICS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

5945'

Rotary tools were used from 0 feet to 5830 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Abandoned as a "dry hole"

## DATES

December 13, 1959

Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment.

Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours .....

Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES Moran Bros. Drilling Co.

M. G. Bandy ..... Driller

R. Bernard ..... Driller

C. H. Cavel ..... Driller

..... Driller

## FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
1733	2465	732	Chinle
2465	2597	132	Shinarump
2597	2735	138	Moenkopi
2735	4765	2032	Cutler
4765	5791	1026	Hermosa
5791	-	-	Paradox
FROM--	TO--	TOTAL FEET	FORMATION

(OVER)

10-43094-4

FORMATION RECORD—Continued